

FIG. 1A

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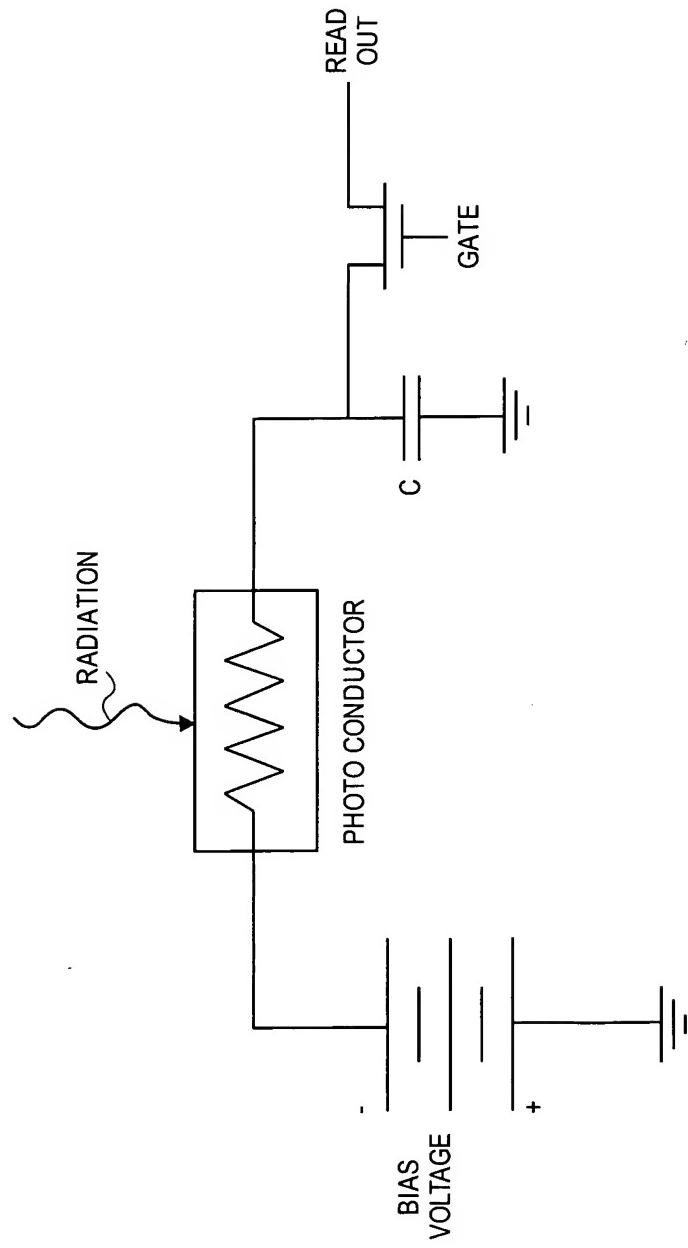


FIG. 1B

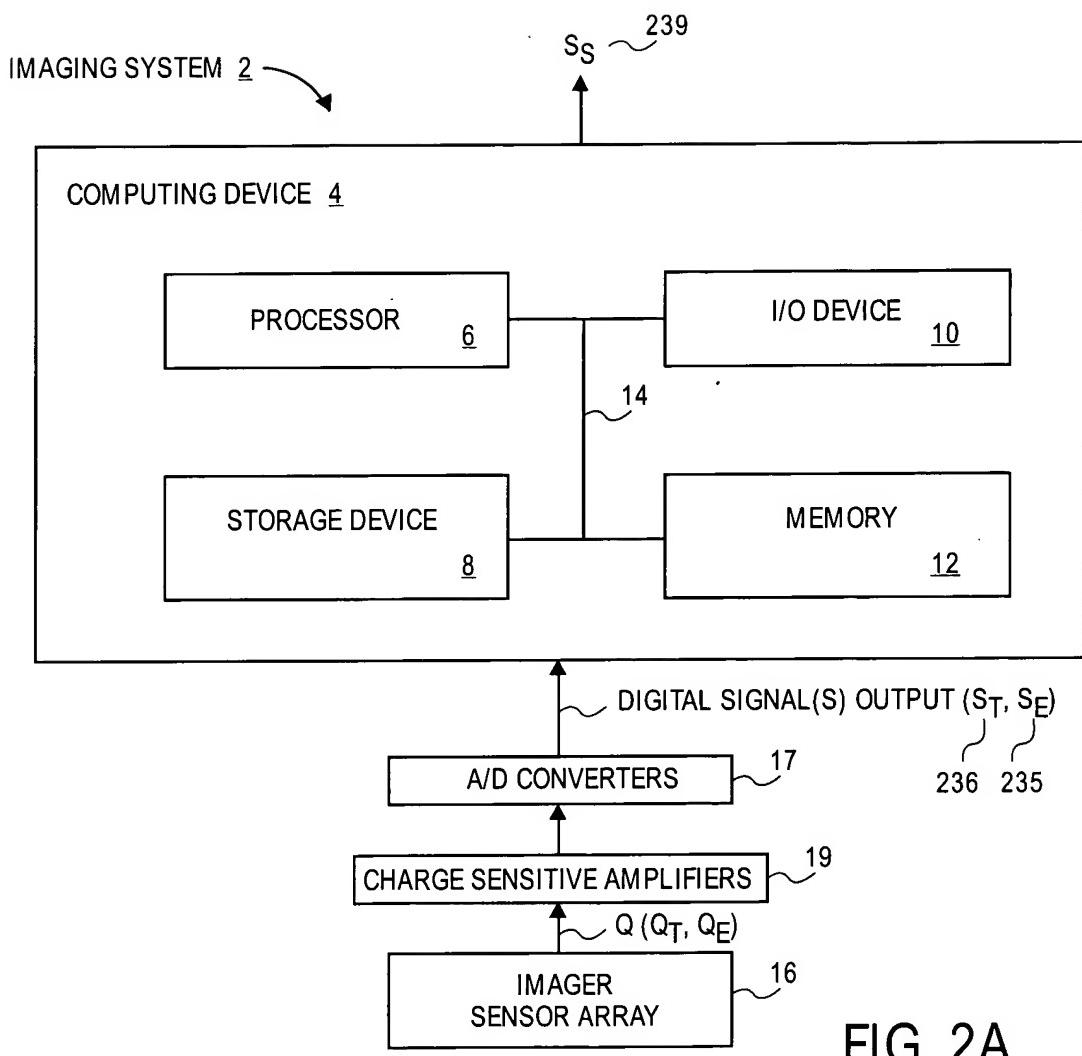


FIG. 2A

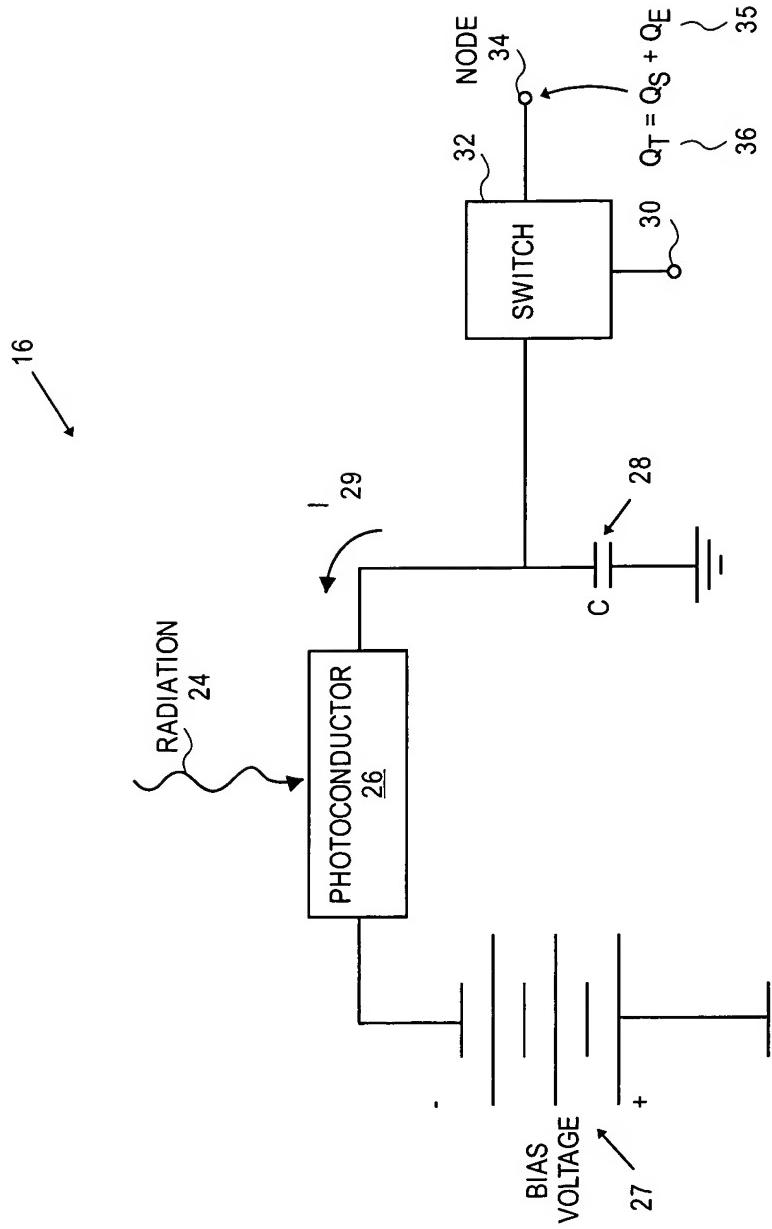


FIG. 2B

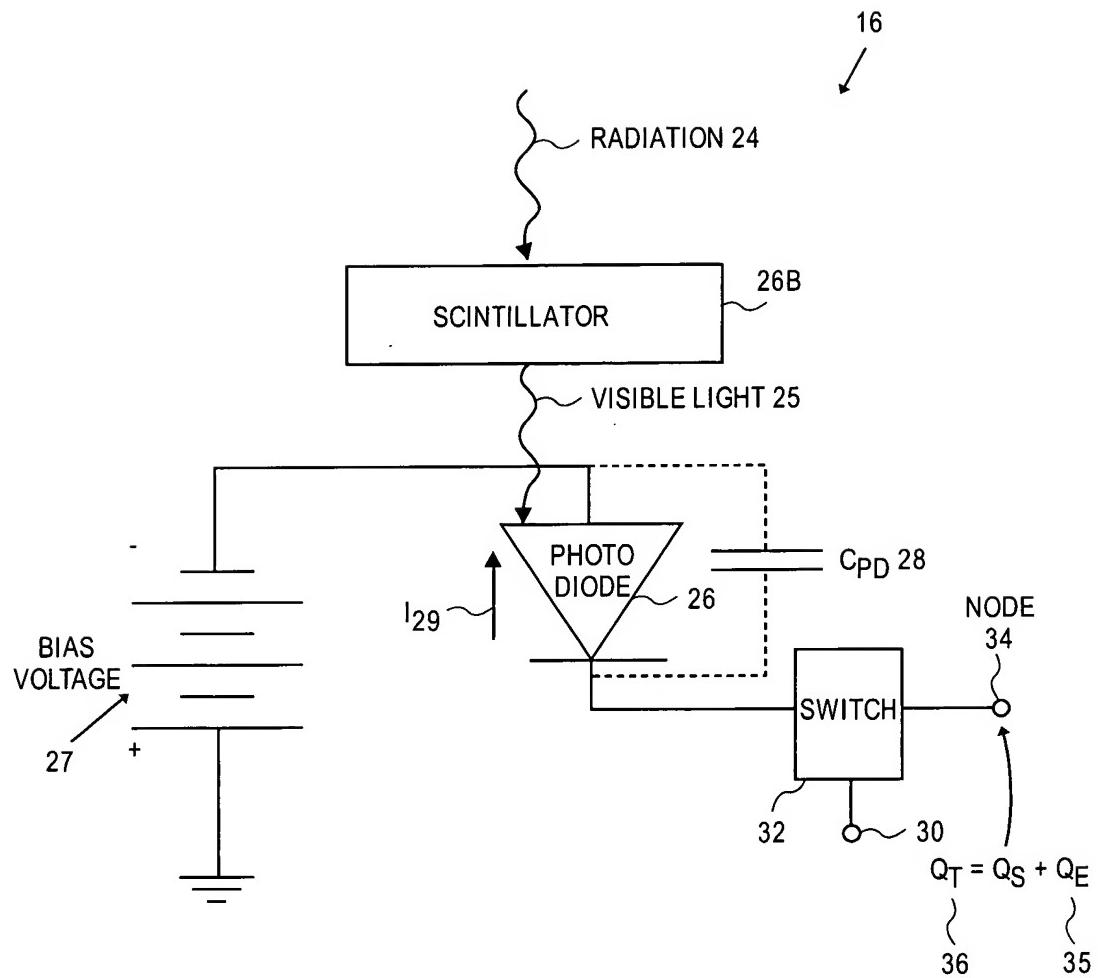


FIG. 2C

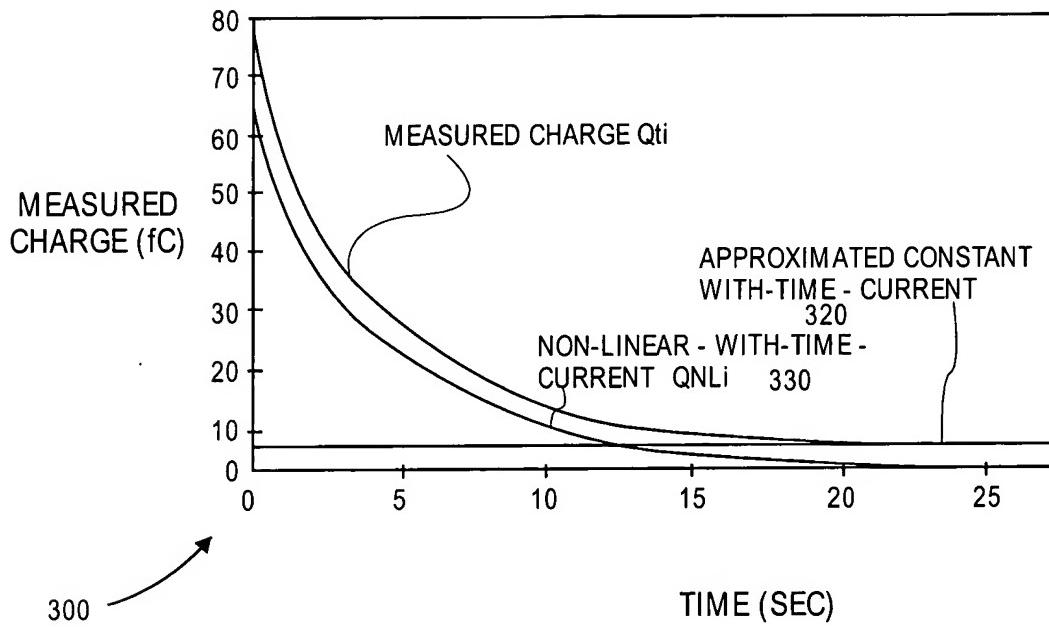


FIG. 3

$$I_E(t) = \frac{K}{t}, \quad Q_E(t) = \int_t^{t+T_i} I_E(t) dt$$

INTEGRATION  
TIME

FIG. 4

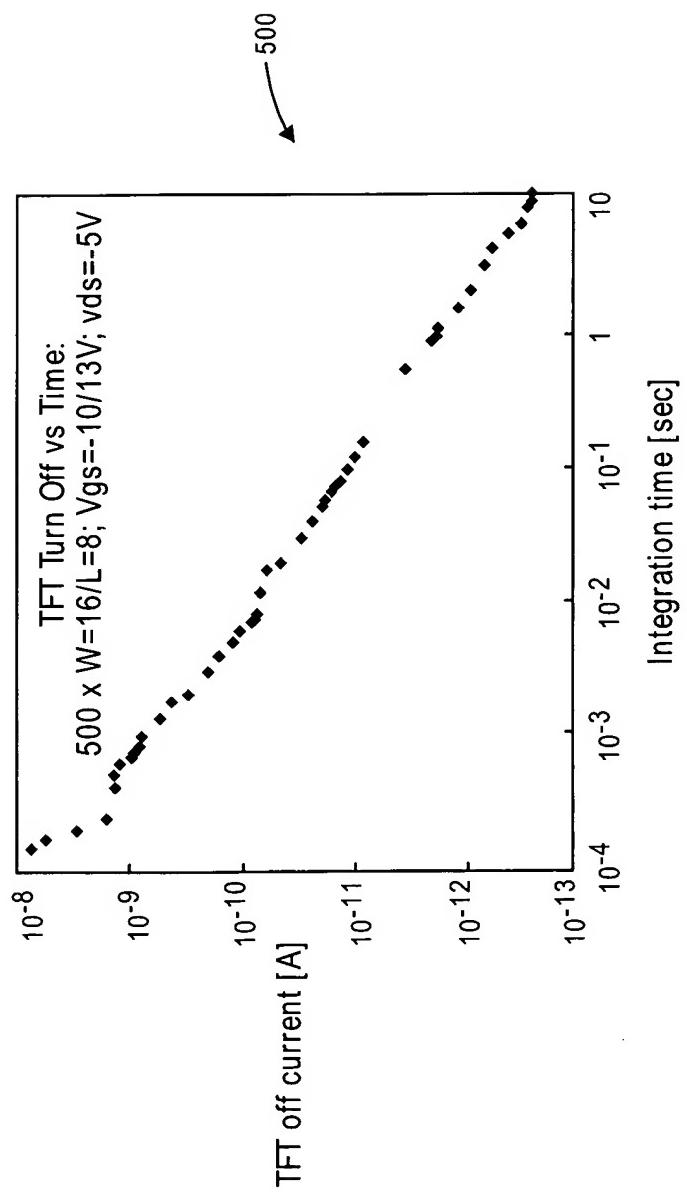


FIG. 5

$$\text{INTEGRATION TIME } T_i = \frac{1}{\text{FRAME RATE}}$$

FRAME RATE (FPS)	INTEGRATION TIME (SEC)
0.1	10
1	1
30	0.033
100	0.01

FIG. 6

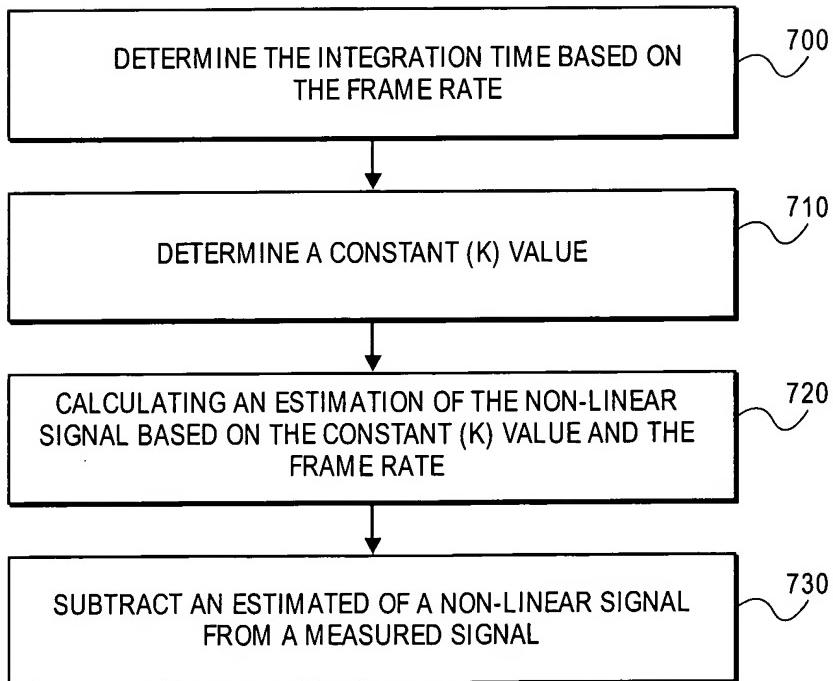


FIG. 7

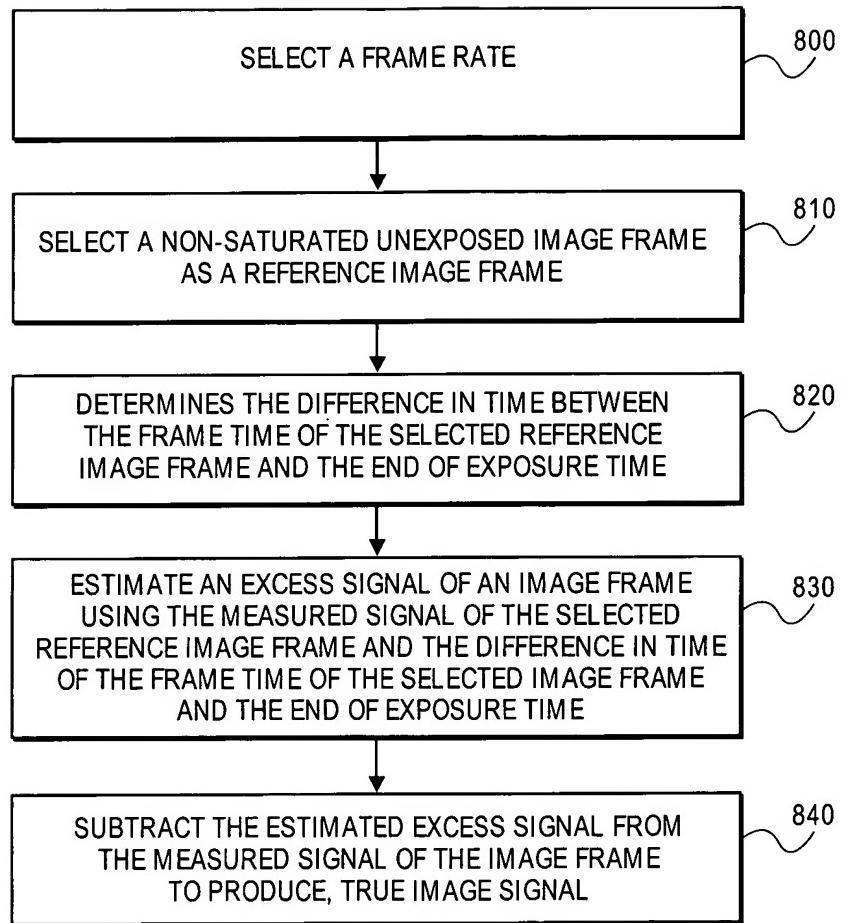


FIG. 8

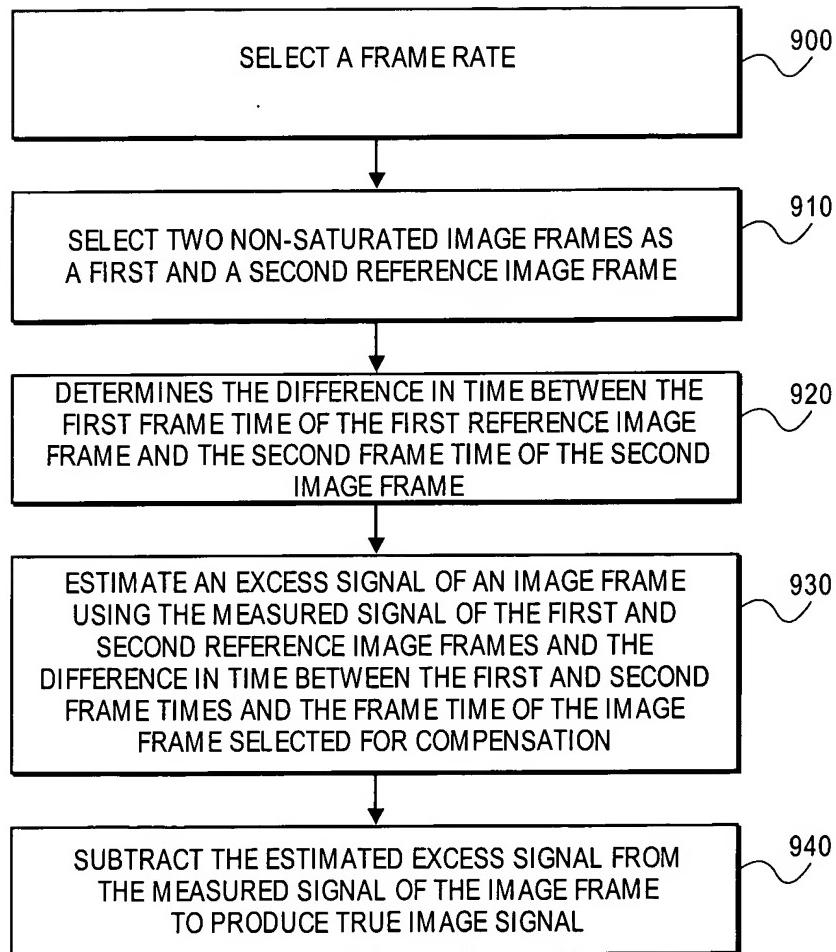
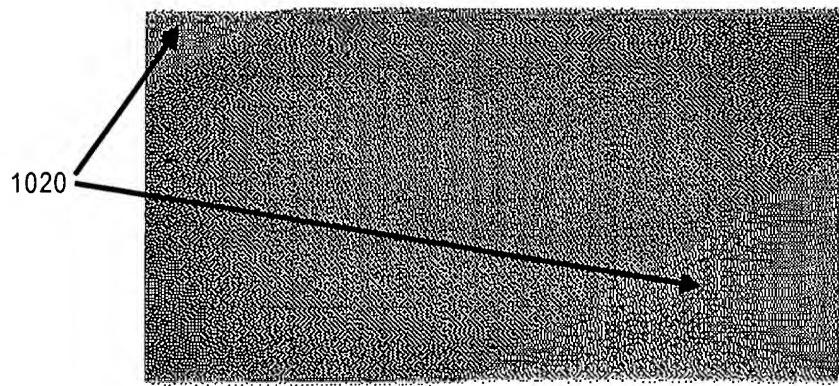
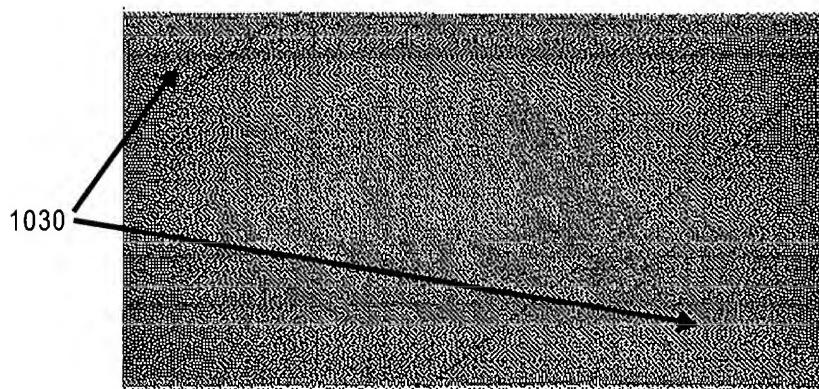


FIG. 9



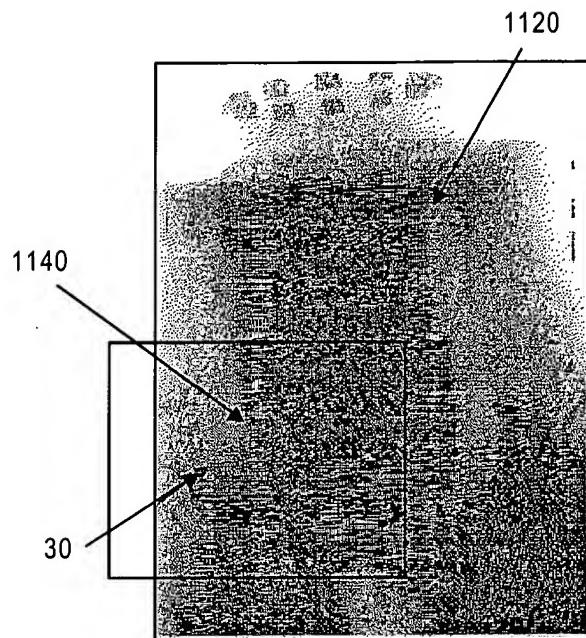
UNCOMPENSATED  
FRAME F 1000

FIG. 10A



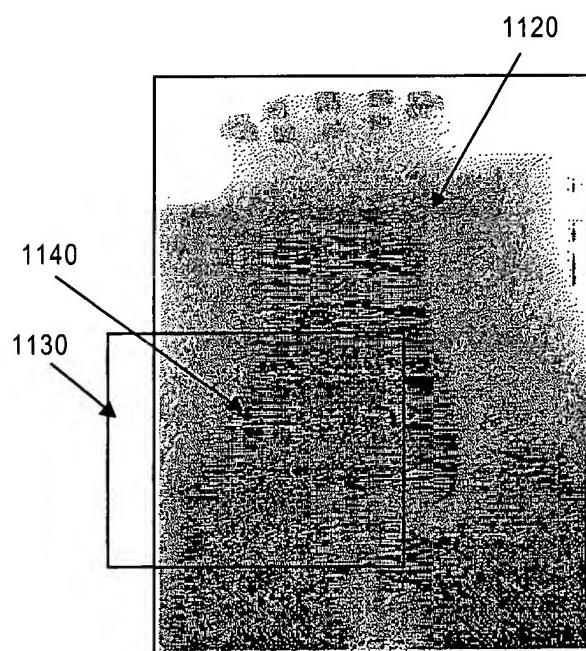
COMPENSATED  
FRAME F 1010

FIG. 10B



UNCOMPENSATION FRAME  
G1100

FIG. 11A



COMPENSATED FRAME  
G1110

FIG. 11B

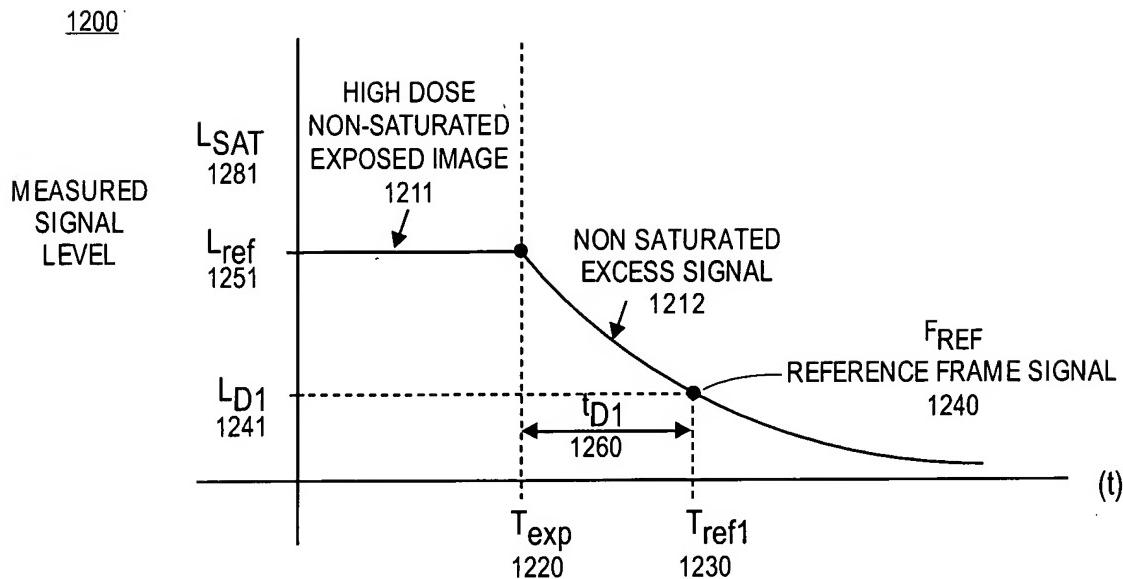


FIG. 12

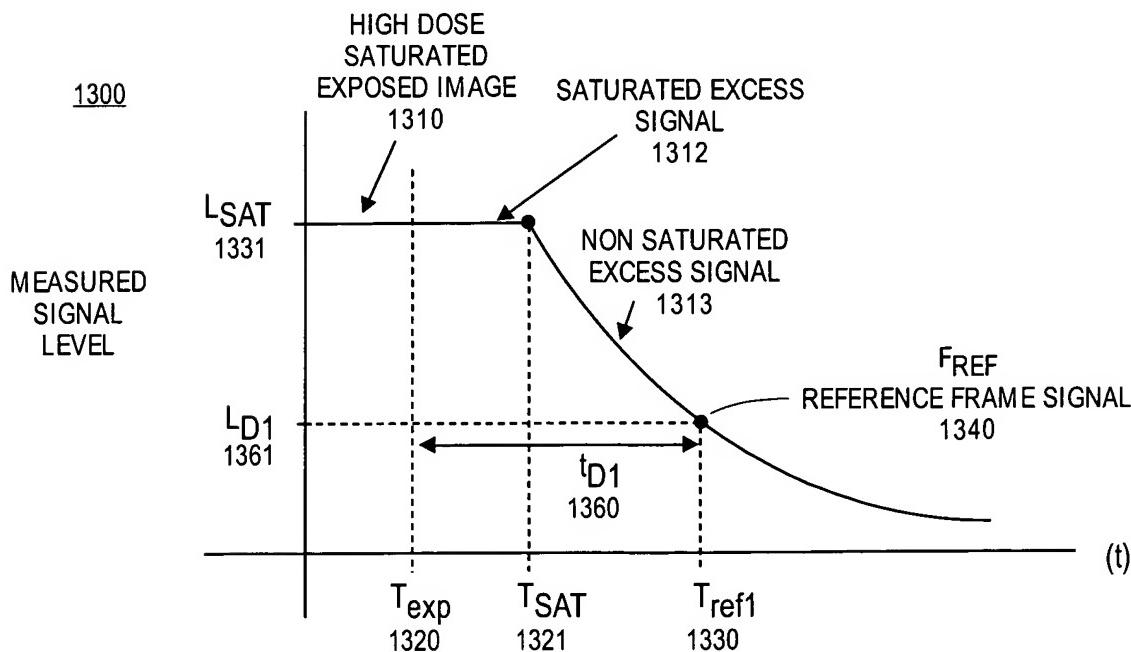
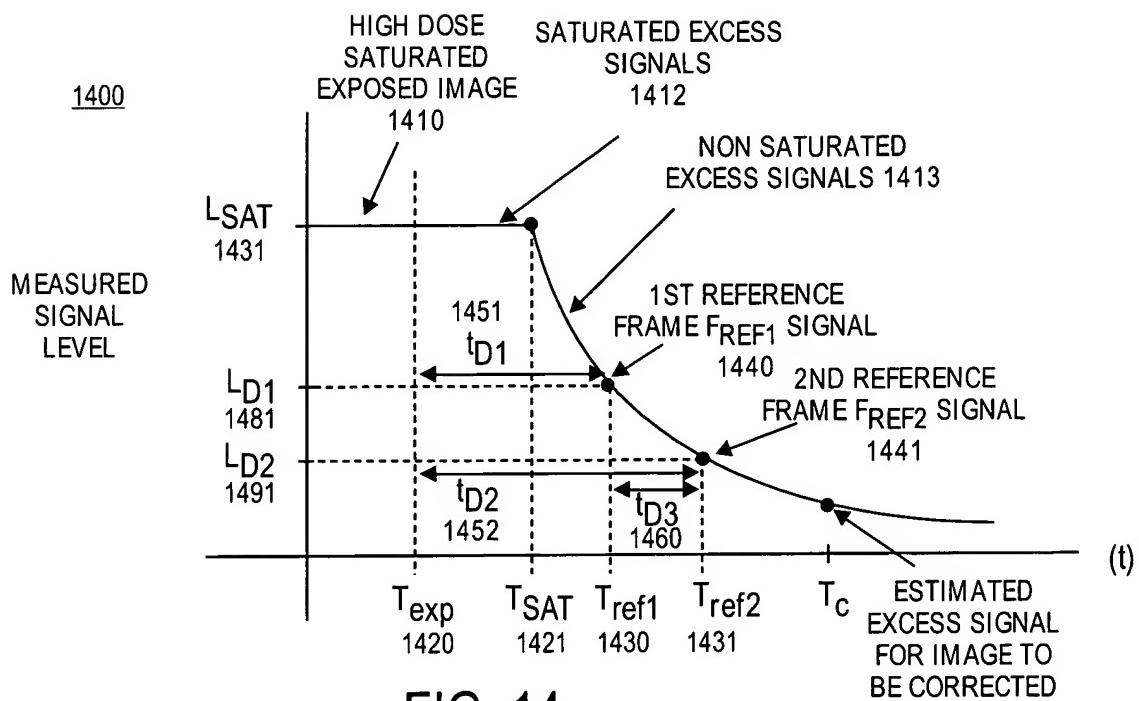


FIG. 13



**REFERENCE IMAGE FRAME SIGNAL** 1520

	$F_i$	$F_{i+1}$	...	$F_K$
$F_{Cj}$	$F_{EC}(i,j)$	$F_{EC}(i+2,j)$	...	$F_{EC}(k,j)$
$F_{Cj+1}$	$F_{EC}(i,j+H)$	⋮	...	<b>PRE-CALCULATED EXCESS SIGNAL</b> 1530
⋮	⋮	⋮		
$F_{CL}$	$F_{EC}(i,L)$			$F_{EC}(K,L)$

**FRAME #** 1510

**FIG. 15**

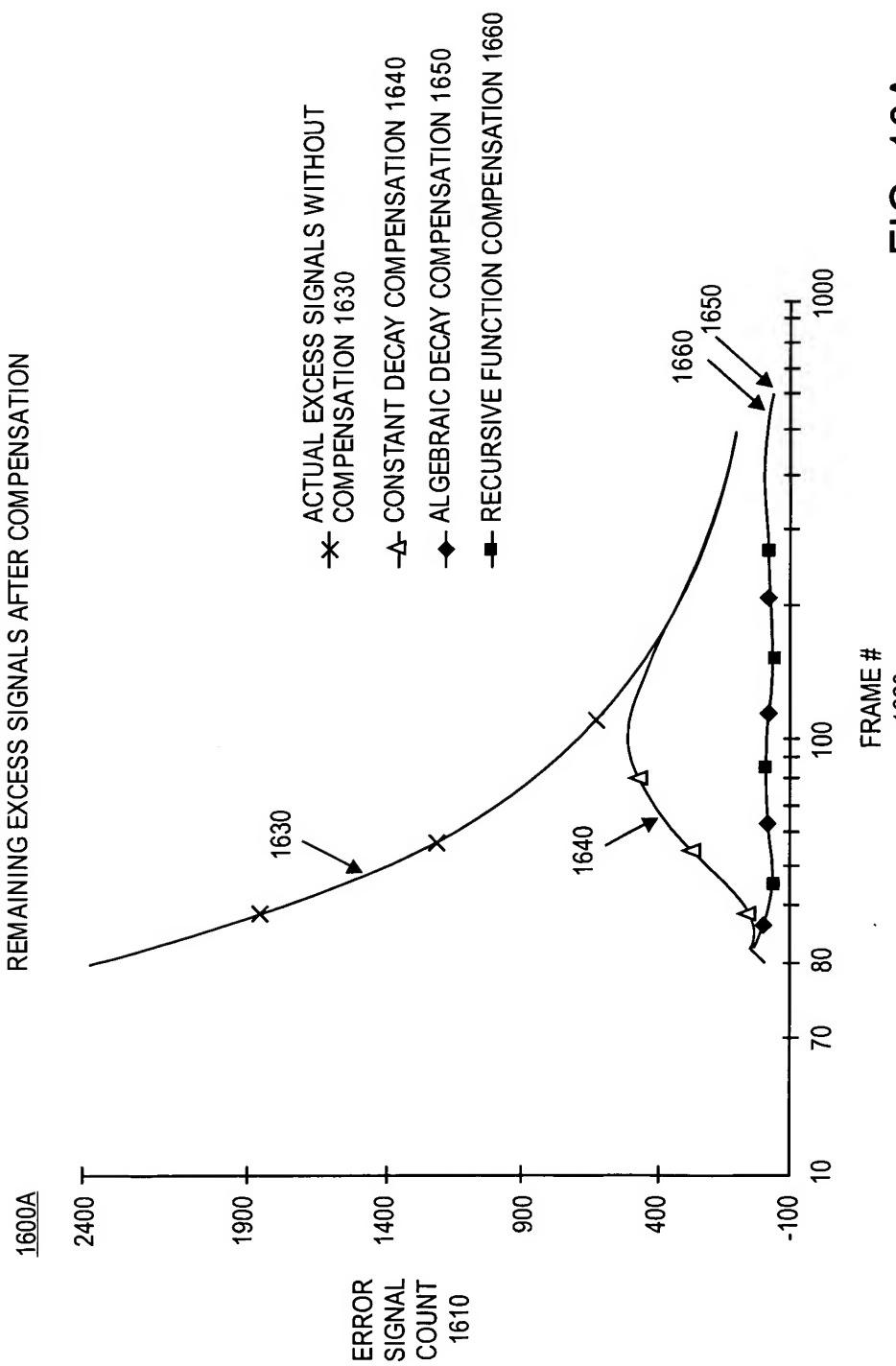
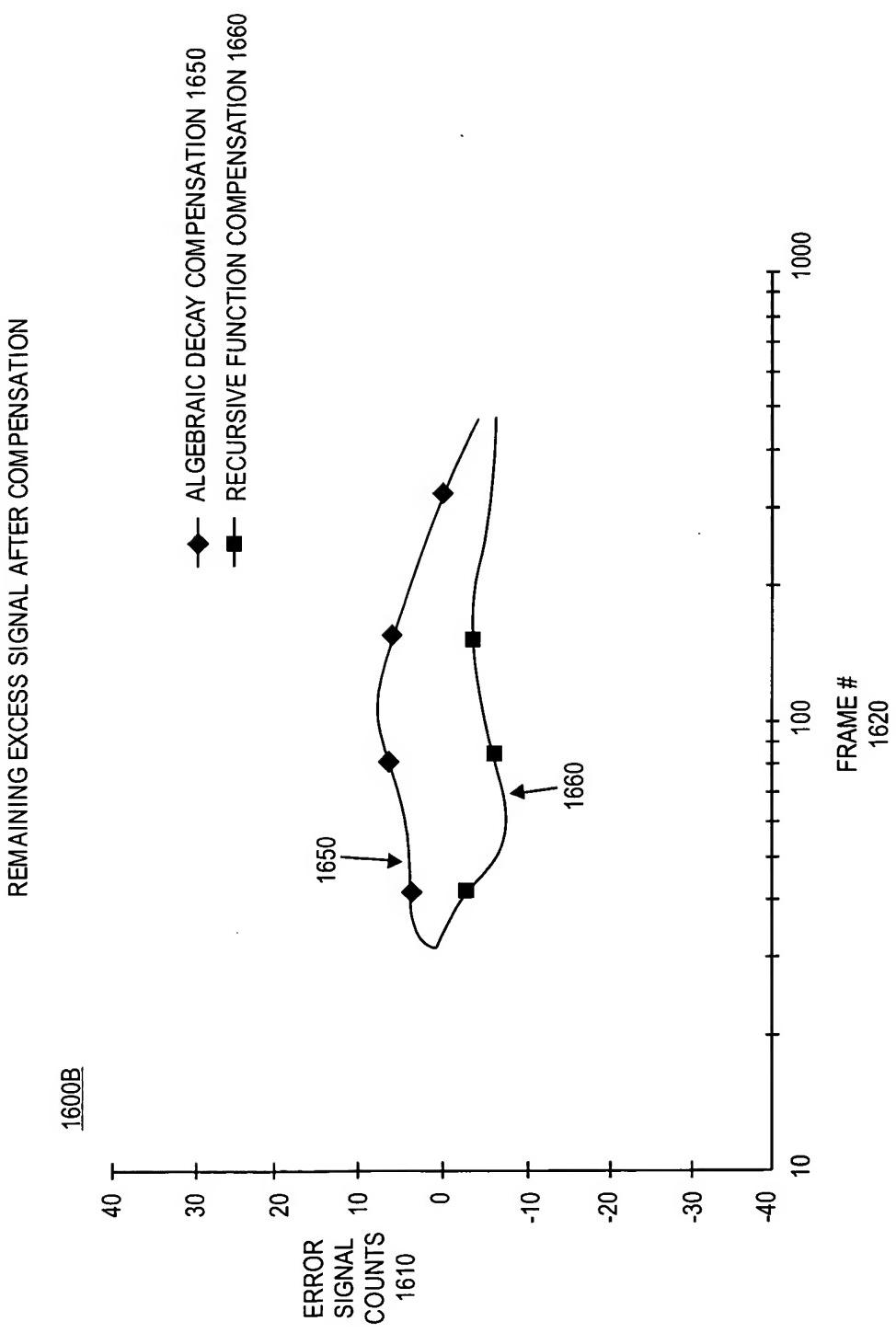


FIG. 16A



**FIG. 16B**

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